



## APHIS List of Hosts and Plants Associated with *Phytophthora ramorum*

Last revised 29 April 2004

### Host Plants for *Phytophthora ramorum*

(These are regulated in whole or in part – see <http://www.aphis.usda.gov/ppq/ispn/sod>)

Scientific Name (29)	Common Name
<i>Acer macrophyllum</i>	Bigleaf maple
<i>Aesculus californica</i>	California buckeye
<i>Arbutus menziesii</i>	Madrone
<i>Arctostaphylos manzanita</i>	Manzanita
<i>Camellia japonica</i>	Japanese camellia
<i>Camellia sasanqua</i>	Sasanqua camellia
<i>Hamamelis virginiana</i>	Witch hazel
<i>Heteromeles arbutifolia</i>	Toyon
<i>Lithocarpus densiflorus</i>	Tanoak
<i>Lonicera hispidula</i>	California honeysuckle
<i>Pieris formosa</i>	Himalaya pieris
<i>Pieris formosa x japonica</i>	Pieris ‘Forest Flame’
<i>Pieris floribunda x japonica</i>	Pieris ‘Brouwer’s Beauty’
<i>Pieris japonica</i>	Japanese pieris
<i>Pseudotsuga menziesii</i> var. <i>menziesii</i>	Douglas-fir
<i>Quercus agrifolia</i>	Coast live oak
<i>Quercus chrysolepis</i>	Canyon live oak
<i>Quercus kelloggii</i>	California black oak
<i>Quercus parvula</i> v. <i>shrevei</i>	Shreve’s oak
<i>Rhamnus californica</i>	California coffeeberry
<i>Rhododendron</i> spp	Rhododendron (including azalea)
<i>Rosa gymnocarpa</i>	Wood rose
<i>Sequoia sempervirens</i>	Coast redwood
<i>Trientalis latifolia</i>	Western starflower
<i>Umbellularia californica</i>	California bay laurel, pepperwood, Oregon myrtle
<i>Vaccinium ovatum</i>	Evergreen huckleberry
<i>Viburnum x bodnantense</i>	Bodnant Viburnum
<i>Viburnum plicatum</i> var. <i>tomentosum</i>	Doublefile Viburnum
<i>Viburnum tinus</i>	Laurustinus

## Plants Associated with *Phytophthora ramorum*

<b>Scientific Name (31)</b>	<b>Common Name, Date &amp; Source of Report</b>
<i>Abies grandis</i>	Grand fir – June 03 (1)
<i>Aesculus hippocastanum</i>	Horse-chestnut – Dec 03 (3)
<i>Arbutus unedo</i>	Strawberry tree – Dec 02 (7)
<i>Camellia reticulata</i>	Camellia – Oct 03 (3)
<i>Camellia x williamsii</i>	Camellia – Oct 03 (3)
<i>Castanea sativa</i>	Sweet Chestnut – Feb 04 (3)
<i>Corylus cornuta</i>	California hazelnut – Dec 02 (5)
<i>Fagus sylvatica</i>	European beech – Dec 03 (3)
<i>Kalmia latifolia</i>	Mountain laurel – Fall 02 (3)
<i>Leucothoe fontanesiana</i>	Drooping leucothoe - Oct 03 (3)
<i>Pieris formosa var. forrestii</i>	Chinese pieris – Oct 03 (3)
<i>Pieris formosa var. forrestii x Pieris japonica</i>	Pieris – Oct 03 (3)
<i>Pittosporum undulatum</i>	Victorian box – Dec 02 (6)
<i>Pyracantha koidzumii</i>	Formosa firethorn – Apr 04 (9)
<i>Quercus cerris</i>	European turkey oak - Feb 04 (3)
<i>Quercus falcata</i>	Southern red oak – Nov 03 (3)
<i>Quercus ilex</i>	Holm oak – Dec 03 (3)
<i>Quercus rubra</i>	Northern red oak – Nov 03 (8)
<i>Rhamnus purshiana</i>	Cascara – Dec 02 (4)
<i>Rubus spectabilis</i>	Salmonberry – Dec 02 (4)
<i>Syringa vulgaris</i>	Lilac – 2003 (3) updated Oct 03
<i>Taxus baccata</i>	European yew – Aug 03 (3)
<i>Toxicodendron diversiloba</i>	Poison oak – Dec 02 (4)
<i>Vaccinium vitis-idaea</i>	Lingonberry – Poland, 2002 (reported by 3)
<i>Viburnum davidii</i>	David Viburnum - Oct 03 (3)
<i>Viburnum farreri (=V. fragrans)</i>	Fragrant Viburnum – Oct 03 (3)
<i>Viburnum lantana</i>	Wayfaringtree Viburnum – Oct 03 (3)
<i>Viburnum opulus</i>	European cranberrybush Viburnum – Oct 03 (3)
<i>Viburnum x burkwoodii</i>	Burkwood Viburnum – Oct 03 (3)
<i>Viburnum x carlcephalum x V. utile</i>	Viburnum – Oct 03 (3)
<i>Viburnum x pragense</i>	Prague Viburnum – Oct 03 (3)

<sup>1</sup> California Department of Food and Agriculture

<sup>2</sup> Oregon Department of Agriculture

<sup>3</sup> Department for Environment, Food, and Rural Affairs, UK

<sup>4</sup> Everett Hanson, Oregon State University

<sup>5</sup> David Rizzo, University of California – Davis

<sup>6</sup> Mateo Garbelotto, University of California - Berkeley

<sup>7</sup> Eduardo Moralejo, Instituto Mediterráneo de Estudios Avanzados, IMEDEA (CSIC-UIB) - Balearic Islands, Spain

<sup>8</sup> Plant Protection Service, Wageningen, Netherlands

<sup>9</sup> Canadian Food Inspection Agency, Canada

## **Rationale for Lists:**

### **Host Plants for *Phytophthora ramorum*:**

Host plants are those adapted from other regulated lists or those added upon completion, documentation and review of traditional Koch's postulates. Some are regulated in part (such as redwood and Douglas fir); others are regulated in their entirety (such as tanoak and western star flower). Details on regulated articles can be found via links to "Phytophthora ramorum 7 CFR 301.92" and "Recent Modifications to Phytophthora ramorum Regulations" at:

<http://www.aphis.usda.gov/ppq/ispm/sod>

### **Plants Associated with *Phytophthora ramorum*:**

Associated plants are those found naturally infected from which *P. ramorum* has been cultured and/or detected using PCR (Polymerase Chain Reaction). For each of these, traditional Koch's postulates have not yet been completed or documented and reviewed.

### **This list is constantly being updated.**

The most current version is posted at: <http://www.aphis.usda.gov/ppq/ispm/sod>